



Customer-Focused Solutions

April 17, 2001

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

ATTN: MR. JIMMIE WOO

SITE: JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CASE NUMBER: 97-020

RE: FIRST QUARTER 2001
FLUID LEVEL MONITORING AND GROUNDWATER SAMPLING REPORT

Dear Mr. Woo:

Please find enclosed one copy of the First Quarter 2001 Fluid Level Monitoring and Groundwater Sampling Report for the Jalk Fee Property located at 10607 Norwalk Boulevard, Santa Fe Springs, California.

In a December 12, 2000 letter to the California Regional Water Quality Control Board (CRWQCB), TRC respectively requested the analytical schedule to be limited to volatile organic compounds (VOCs) and the sampling schedule be revised to semiannual. The CRWQCB has granted the request for the analytical schedule to be limited to VOCs; however, has not provided feedback on the request to sample the Jalk Fee wells on a semiannual basis. Please call me at (949) 341-7449 so we may discuss further.

Sincerely,

TRC

Jeff Hensel, RG, REA
Project Manager

cc: Mr. F. E. Hand, ExxonMobil Corporation

Enclosure

23-0134/JalkQMSR04.Doc

**FIRST QUARTER 2001
FLUID LEVEL MONITORING AND
GROUNDWATER SAMPLING REPORT**

April 13, 2001

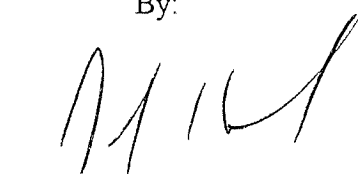
JALK FEE PROPERTY
10607 Norwalk Boulevard
Santa Fe Springs, California

TRC Project No. 23-0134-09


Prepared For:

EXXONMOBIL CORPORATION
601 Jefferson, KT 1244
Houston, Texas 77002

By:



Jeff Hensel, RG, REA
Project Manager



TRC ALTON GEOSCIENCE
21 Technology Drive
Irvine, California 92618

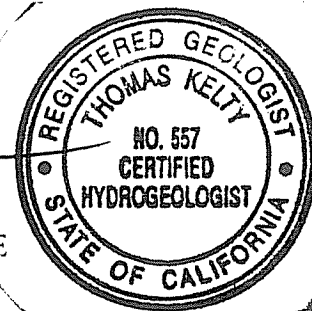


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- A General Field Procedures and Monitoring Well Purging Data
- B Official Laboratory Report and Chain of Custody Record and Manifests

1.0 INTRODUCTION

This report presents the findings of fluid level monitoring and groundwater sampling activities performed in the First Quarter 2001 at the Jalk Fee Property located at 10607 Norwalk Boulevard, Santa Fe Springs, California (Figure 1).

2.0 FLUID LEVEL MONITORING AND GROUNDWATER SAMPLING ACTIVITIES

On March 5, 2001, fluid levels were measured in Monitoring Wells MMW-3, -4 and -5, located as shown on the groundwater elevation contour map (Figure 2). A summary of fluid level monitoring data for this and previous events is presented in Table 1. Plots of depth to water vs. time for this and the previous events, are presented in Graph 1. PCE trend plots are presented in Graphs 2, 3 and 4.

Monitoring wells were purged and sampled in accordance with standard regulatory protocol. General field procedures and monitoring well purging data are provided in Appendix A.

3.0 LABORATORY ANALYSIS AND GROUNDWATER DISPOSAL

Groundwater samples were submitted to a state-certified laboratory and analyzed for volatile organic compounds (VOCs) by EPA Method 8260B. Dissolved-phase concentrations are shown in Figure 3. Laboratory results for this and previous groundwater sampling events are summarized in Table 1. Copies of the official laboratory report and chain of custody record are included in Appendix B.

Groundwater generated during purging and sampling activities was temporarily stored onsite pending transport to an appropriate disposal/recycling facility. Refer to Appendix C for a copy of the non-hazardous waste manifest.

4.0 FINDINGS

- The groundwater elevation ranges from 25.32 (MMW-4) to 27.87 (MMW-3) feet above mean sea level. The groundwater flow direction is generally directed to the south-southwest as shown on Figure 2.
- No concentrations of BTEX and MTBE were detected in groundwater samples collected in the First Quarter 2001 (Table 1), with the exception of MTBE in MMW-3 at a concentration of 0.0076 milligrams per liter (mg/l). MTBE has only recently been detected in MMW-3 (last three quarters) and will be closely monitored during future sampling events.

First Quarter 2001 Fluid Level Monitoring and Groundwater Sampling Report

Jalk Fee Property

April 13, 2001

- The maximum concentrations of tetrachloroethene (PCE) and trichloroethane (TCE) were detected in Well MMW-5 (0.65 and 0.063 mg/l, respectively). These concentrations are slightly lower than the Fourth Quarter 2000 results.

The fluid level monitoring and groundwater sampling activities summarized in this report have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.

FIGURES

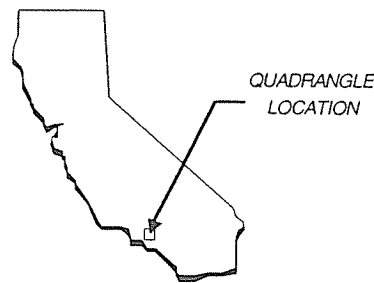


1 MILE 3/4 1/2 1/4 0 1 MILE

SCALE 1: 24,000



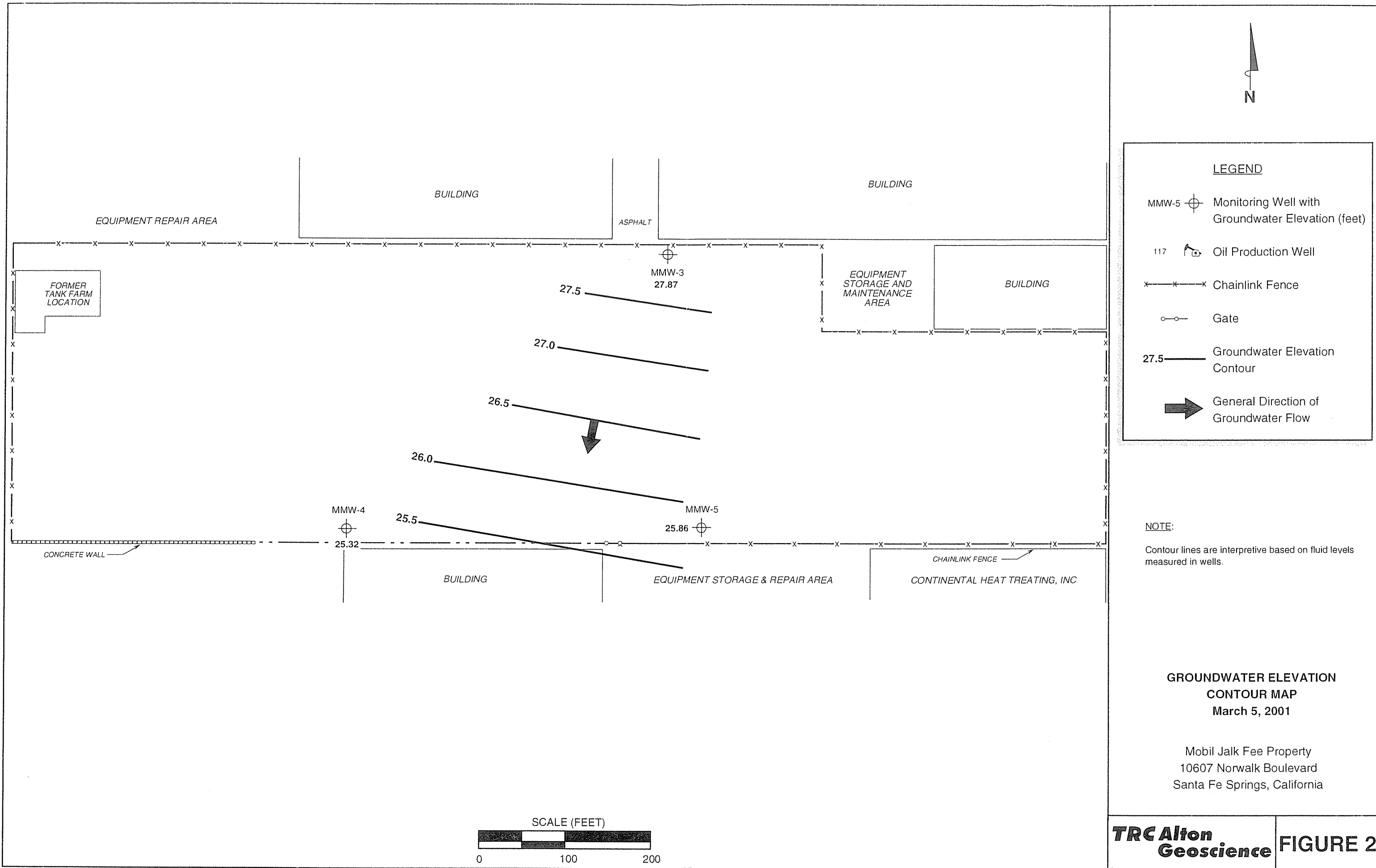
SOURCE:
United States Geological Survey
7.5 Minute Topographic Map:
Whittier Quadrangle

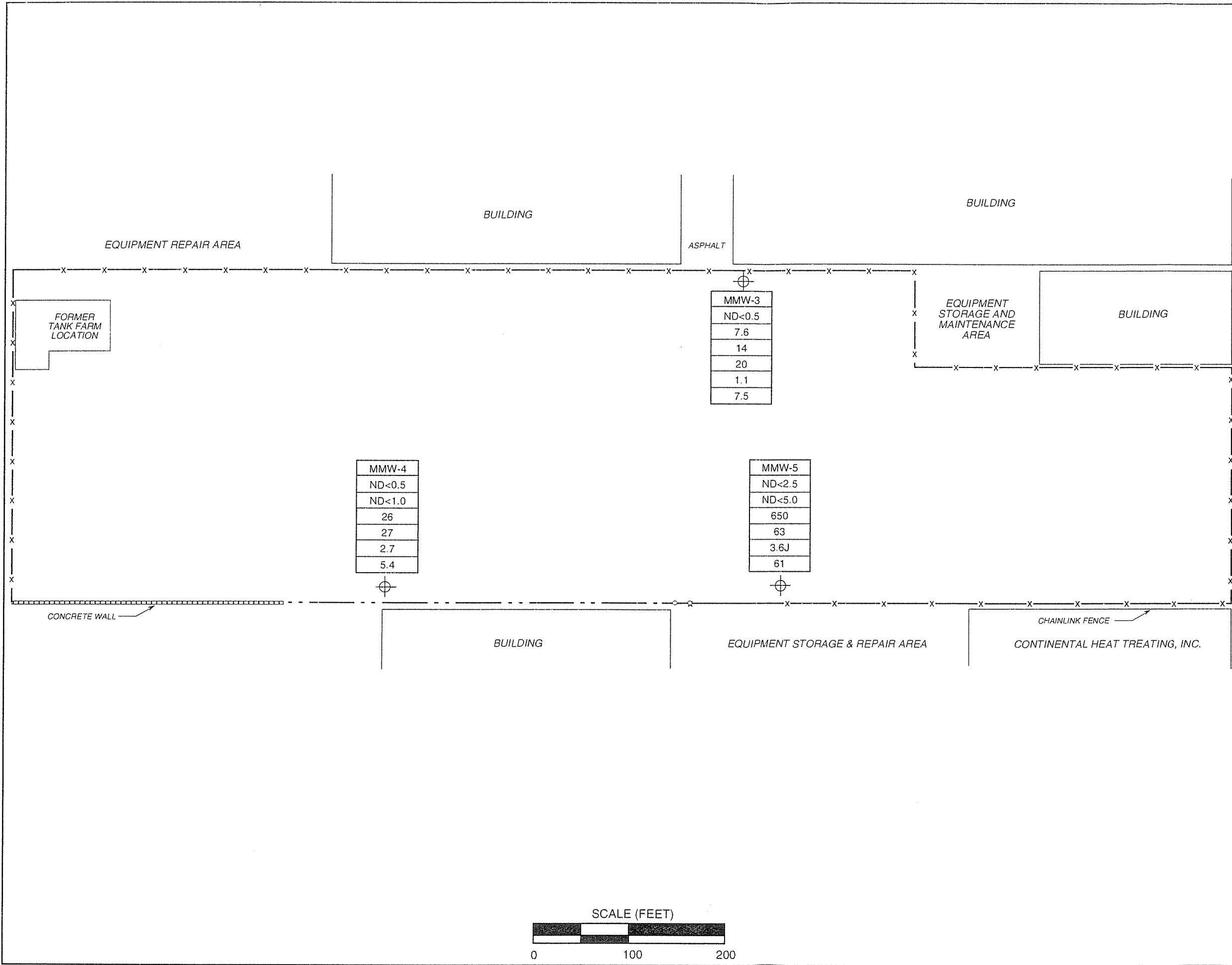


VICINITY MAP

Mobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

FIGURE 1





LEGEND

WELL No.
B
MTBE
PCE
TCE
1,1-DCA
1,1-DCE

Monitoring Well with Dissolved-Phase Hydrocarbon Concentrations (µg/l)

NOTES:

TPH-G = total petroleum hydrocarbons as gasoline, B = benzene, MTBE = methyl tertiary butyl ether, PCE = tetrachloroethene, TCE = trichloroethene, 1,1-DCA = 1,1-Dichloroethane, 1,1-DCE = 1,1-Dichloroethene. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. J = estimated concentration, value is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL). VOC results obtained using EPA Method 8260B.

**DISSOLVED-PHASE HYDROCARBON
CONCENTRATION MAP**
March 5, 2001

Mobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

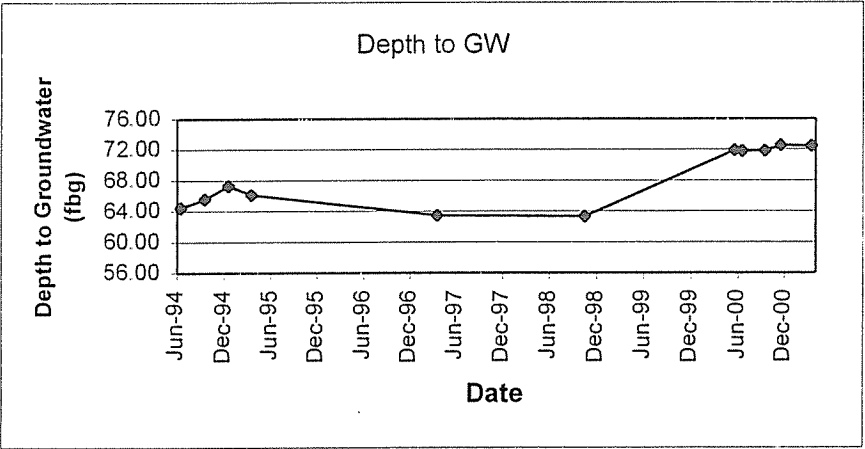
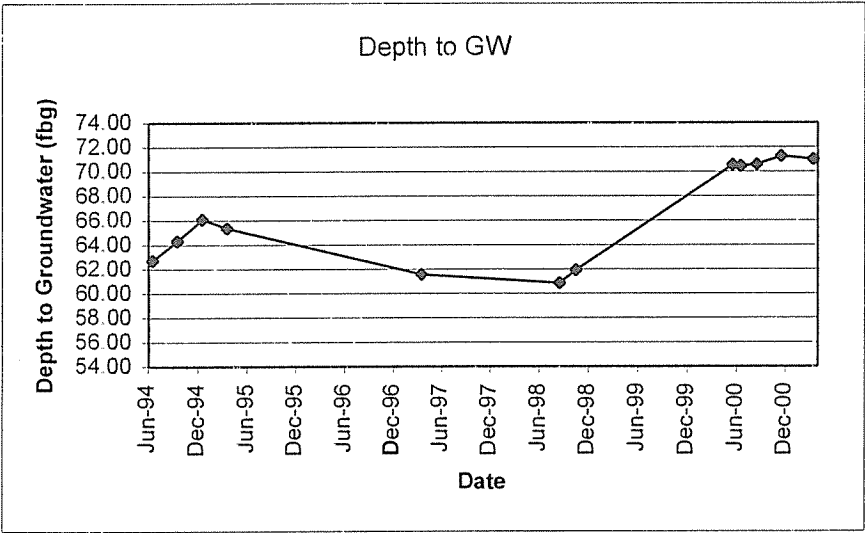
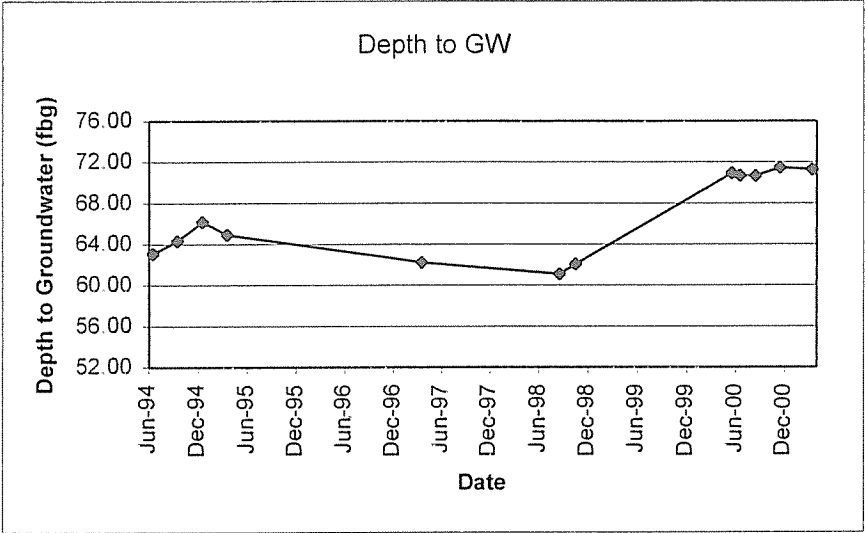
TABLES

Table 1
GROUNDWATER ELEVATION AND LABORATORY RESULTS
March 1994 through March 2001
Jalk Fee Property

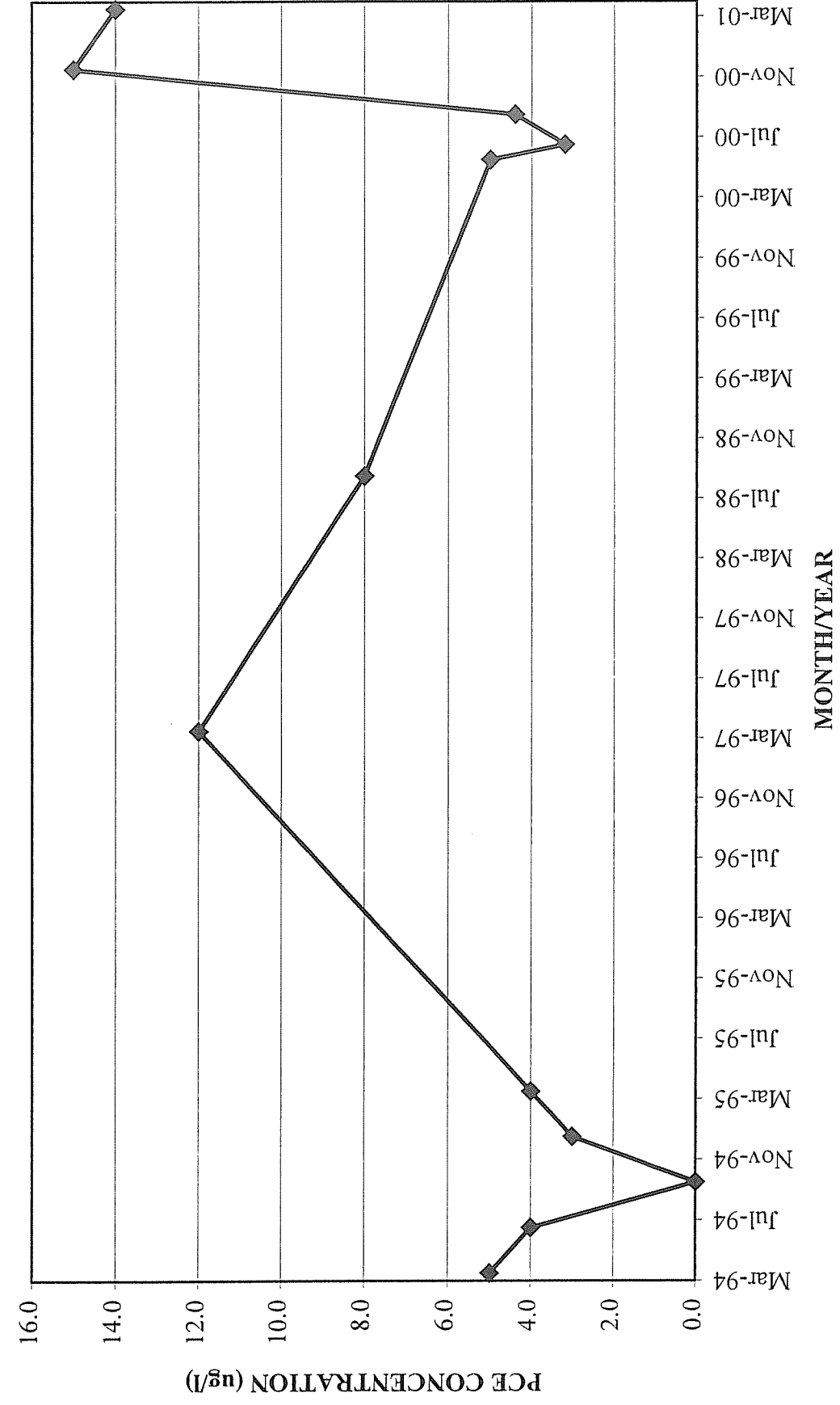
Well ID	Date	Top of Casing Elevation	Depth to Water (ftg)	Groundwater Elevation (ftg)	TPH-G (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	PCE (µg/l)	TCE (µg/l)	1,1- DCA (µg/l)	1,2- DCA (µg/l)	1,1- DCE (µg/l)	c-1,2- DCE (µg/l)
MMW-3	03/15/94	134.26	64.92	69.34	ND	4.0	13	26	101	--	5.0	25	2.0	ND	10	ND
	06/22/94	134.26	63.08	71.18	ND	ND	ND	ND	ND	--	4.0	24	2.0	ND	8.0	ND
	09/16/94	134.26	64.34	69.92	ND	64.34	3.0	ND	6.0	--	ND	12	ND	ND	3.0	ND
	12/16/94	134.26	66.21	68.05	ND	ND	8.0	2.0	8.0	--	3.0	17	2.0	ND	5.0	ND
	03/08/95	134.26	64.95	69.31	ND	28	28	2.0	18	--	4.0	20	2.0	ND	2.0	ND
	03/26/97	99.17	62.25	36.92	ND	ND	ND	ND	ND	--	12	23	2.0	ND	7.0	ND
	08/03/98	99.17	61.12	38.05	ND	ND	ND	ND	ND	ND	8.0	21	2.0	ND	6.0	ND
	10/22/98	99.17	62.07	37.1	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/00	99.17	70.94	28.23	ND	ND	ND	ND	ND	ND	5.0	16	1.8	ND	9.2	ND
	06/06/00	99.17	70.69	28.48	ND	ND	ND	ND	ND	ND	3.2	12	1.4	ND	5.6	ND
	08/31/00	99.17	70.67	28.5	ND<500	ND<0.5	ND<1.0	ND<1.0	ND<2.0	1.9	4.4	15	1.7	ND	6.5	ND
	11/28/00	99.17	71.49	27.68	ND<500	ND<0.5	ND<1.0	ND<1.0	ND<2.0	7.0	15	13	ND<1.0	ND	5.8	ND<1.0
MMW-4	03/05/01	99.17	71.30	27.87	--	ND<0.5	ND<1.0	ND<1.0	ND<2.0	7.6	14	20	1.1	ND<0.5	7.5	0.65l
	03/15/94	131.4	64.36	67.04	ND	ND	4.0	10	38	--	4.0	18	ND	ND	2.0	ND
	06/22/94	131.4	62.73	68.67	ND	ND	ND	ND	ND	--	2.0	16	ND	ND	ND	ND
	09/16/94	131.4	64.32	67.08	ND	ND	ND	ND	ND	--	ND	6.0	ND	ND	ND	ND
	12/16/94	131.4	66.10	65.3	ND	ND	7.0	3.0	9.0	--	1.0	6.0	ND	ND	ND	ND
	03/08/95	131.4	65.38	66.02	ND	2.0	2.0	ND	1.0	--	5.0	9.0	ND	ND	ND	ND
	03/26/97	96.34	61.57	34.77	ND	ND	ND	ND	ND	--	4.2	4.0	ND	ND	ND	ND
	08/03/98	96.34	60.86	35.48	ND	ND	ND	ND	ND	ND	2.0	4.0	ND	ND	ND	ND
	10/22/98	96.34	61.93	34.41	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/00	96.34	70.57	25.77	ND	ND	ND	ND	ND	ND	4.4	12	1.7	ND	1.8	ND
	06/06/00	96.34	70.46	25.88	ND	ND	ND	ND	ND	ND	5.6	15	2.1	ND	2.5	ND
	08/31/00	96.34	70.58	25.76	ND<500	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<1.0	6.7	17	1.9	ND	2.0	ND
MMW-5	11/28/00	96.34	71.28	25.06	ND<500	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<1.0	17	28	ND<1.0	ND	4.6	3.4
	03/05/01	96.34	71.02	25.32	--	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<1.0	26	27	2.7	0.62	5.4	2.3
	03/15/94	133.38	66.26	67.12	ND	ND	ND	11	37	--	330	60	ND	ND	5.0	ND
	06/22/94	133.38	64.45	68.93	ND	ND	ND	ND	ND	--	930	100	ND	ND	ND	ND
	09/16/94	133.38	65.61	67.77	ND	ND	ND	ND	ND	--	830	82	ND	ND	ND	ND
	12/16/94	133.38	67.34	66.04	ND	ND	1.0	2.0	1.0	--	1,400	140	ND	ND	5.0	ND
	03/08/95	133.38	66.16	67.22	ND	ND	ND	ND	ND	--	2,200	180	ND	ND	ND	ND
	03/26/97	98.33	63.45	34.88	400	ND	ND	ND	ND	--	1,100	88	ND	ND	ND	ND
	10/22/98	98.33	63.34	34.99	ND	ND	0.4	ND	0.6	ND	--	--	--	--	--	--
	11/20/98	98.33	63.59	34.74	450	3.0	3.0	ND	1.0	ND	660	91	ND	ND	9.0	ND
	05/02/00	98.33	71.95	26.38	ND	ND	ND	ND	ND	ND	660	90	3.4	ND	39	ND
	06/06/00	98.33	71.79	26.54	ND	ND	ND	ND	ND	ND	100	24	ND	ND	19	ND
Notes:	TPH-G	=	tetrachloroethene													
	PCE	=	total petroleum hydrocarbons with gasoline distinction													
MTBE	=	methyl tertiary butyl ether														
	TCE	=	trichloroethene													
1,1-DCA	=	1,1-dichloroethane														
	1,2-DCA	=	1,2-dichloroethane													
1,1-DCE	=	1,1-dichloroethene														
	c-1,2-DCE	=	cis-1,2-dichloroethene													
ftg	=	feet below grade														
	µg/l	=	micrograms per liter													
--		=	not analyzed, measured, or collected													

GRAPHS

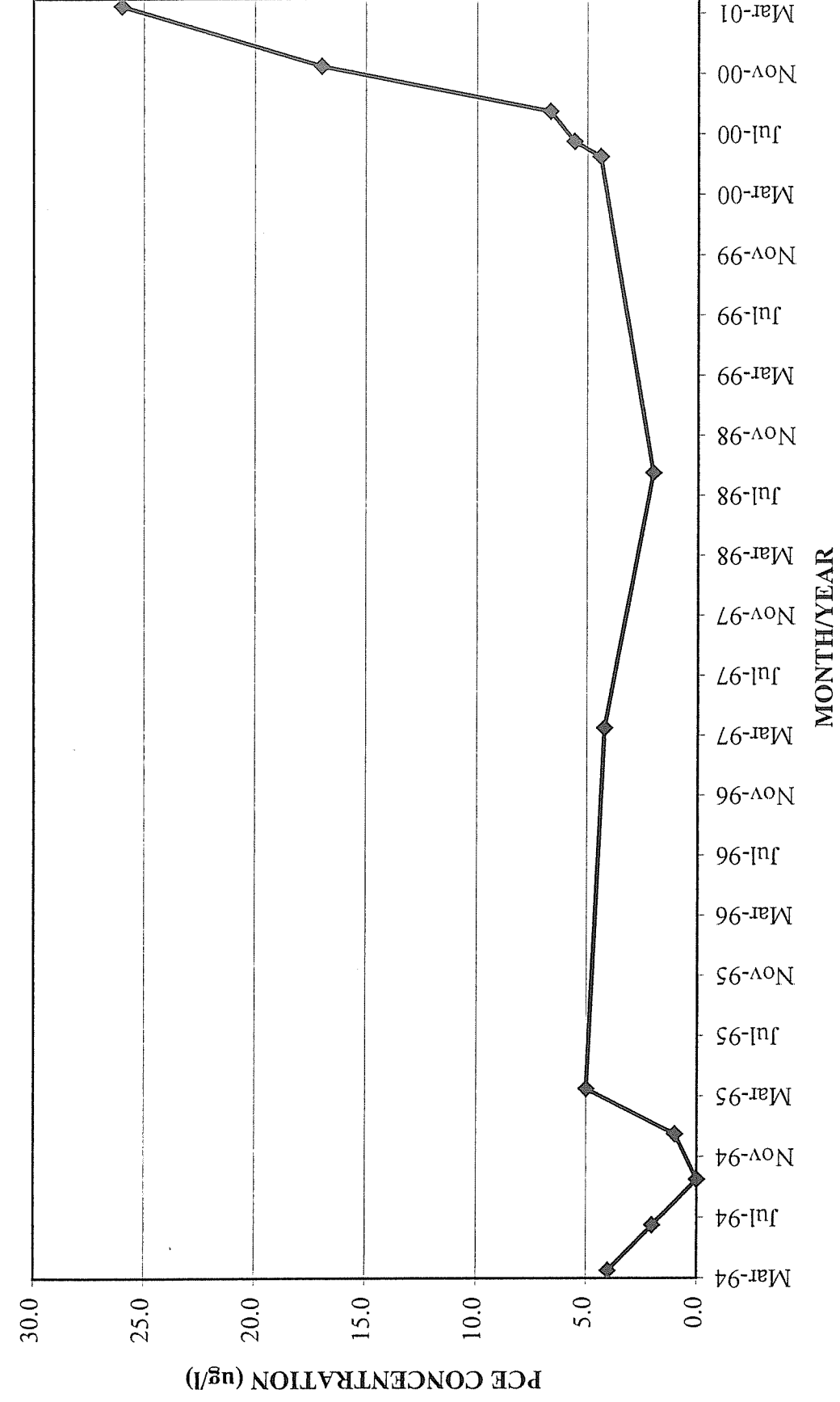
Graph 1
Depth to Groundwater vs. Time
Jalk Fee Property



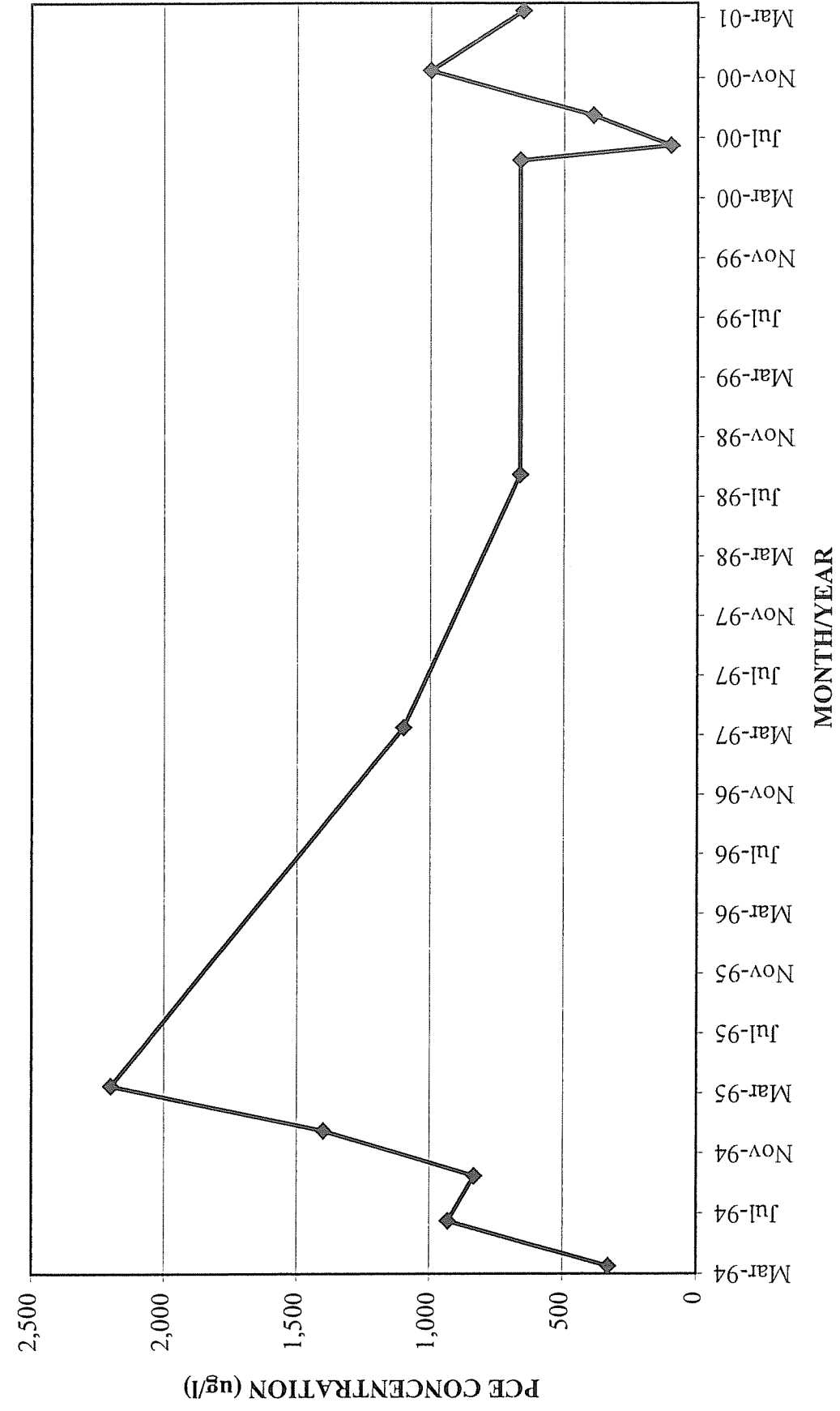
PCE vs. TIME - MMW-3



PCE vs. TIME - MMW-4



PCE vs. TIME - MMW-5



APPENDIX A

**GENERAL FIELD PROCEDURES AND
MONITORING WELL PURGING DATA**

GENERAL FIELD PROCEDURES

General field procedures used during fluid level monitoring and groundwater sampling activities are described below.

FLUID LEVEL MONITORING

Fluid levels are monitored in the wells using an electronic interface probe with conductance sensors. The depth to liquid-phase hydrocarbons (LPH) and water is measured relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city bench mark.

GROUNDWATER SAMPLING

Groundwater monitoring wells are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no LPH are purged of groundwater prior to sampling so that fluids collected are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when the specified number of casing volumes of fluid have been removed and the three (3) parameters, pH, Conductivity, and Temperature have stabilized (See groundwater Sampling Field Notes for volume removed). Samples for laboratory analysis are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purge water is either (1) pumped directly into a licensed vacuum truck; or (2) treated and disposed onsite using the TRC Alton Geoscience Mobile Groundwater Treatment Trailer; or (3) temporarily stored in labeled drums prior to transport to a treatment/recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

With respect to wells that have been designated as “nonpurge”, the wells will be sampled without purging. Monitoring wells that contain measurable LPH are typically purged. The purged water and LPH removed from wells will be either pumped directly into a licensed vacuum truck and removed from the site, or temporarily stored in labeled drums pending transport to an approved treatment/recycling facility.

GROUNDWATER SAMPLE COLLECTION

Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer to just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials, then transported to a state-certified laboratory for analysis. Samples remain in a cooler packed with ice until returned to TRC Alton's office where they are kept in a dedicated sample refrigerator pending shipment to an analytical laboratory.

Chain of custody protocol is followed for all groundwater samples selected for laboratory analysis. The chain of custody form(s) accompanies the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis. When a freight or overnight carrier ships samples, the carrier is noted on the chain of custody form.

DECONTAMINATION

Latex gloves are worn at all times during monitoring, sampling, and purging activities. Gloves are changed between each well. All monitoring, sampling, and purging equipment that could contact well fluids is either dedicated to a particular well or cleaned prior to each use in a Liqui-nox solution followed by two rinses: the first rinse in tap water and the final rinse in deionized water.

FIELD MONITORING DATA SHEET



Technician: Julie Fee

Job #/Task #: 23-0134-75

Date: 3-5-01

Site # Bill Rey Project Manager Jeff Hensel

Page 1 of 1

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First Quarter 2001 Fluid Level Monitoring and Groundwater Sampling Report
Jalk Fee Property
April 13, 2001

APPENDIX B

**OFFICIAL LABORATORY REPORT AND
CHAIN OF CUSTODY RECORD AND MANIFEST**



March 09, 2001

Jeff Hensel
TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Subject: **Calscience Work Order Number: 01-03-0168**
Client Reference: **Mobil - Jalk Fee**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 03/05/01, and analyzed as requested on the attached chain-of-custody record.

The results in this analytical report are limited to the samples tested, and any reproduction of this report must be made in its entirety.

Note that the Sample Receipt Form and Chain-of-Custody Record are integral parts of this report.

If you have any questions regarding this report, require sampling supplies or field services, or information about our analytical services, please feel free to call me at (714) 895-5494.

Sincerely,

Michael J. Crisostomo for
Calscience Environmental
Laboratories, Inc.
Michael J. Crisostomo
Project Manager


William H. Christensen
Quality Assurance Manager

ANALYTICAL REPORT

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 03/05/01
Work Order No: 01-03-0168
Preparation: N/A
Method: EPA 8260B

Project: Mobil - Jalk Fee

Page 1 of 4

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW-5	01-03-0168-1	03/05/01	Aqueous	N/A	03/05/01	030501AW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	62	50	5		ug/L	1,1-Dichloropropene	ND	5.0	5		ug/L
Benzene	ND	2.5	5		ug/L	c-1,3-Dichloropropene	ND	2.5	5		ug/L
Bromobenzene	ND	5.0	5		ug/L	t-1,3-Dichloropropene	ND	2.5	5		ug/L
Bromochloromethane	ND	5.0	5		ug/L	Ethylbenzene	ND	5.0	5		ug/L
Bromodichloromethane	ND	5.0	5		ug/L	2-Hexanone	ND	50	5		ug/L
Bromoform	ND	5.0	5		ug/L	Isopropylbenzene	ND	5.0	5		ug/L
Bromomethane	ND	5.0	5		ug/L	p-Isopropyltoluene	ND	5.0	5		ug/L
2-Butanone	ND	50	5		ug/L	Methylene Chloride	ND	50	5		ug/L
n-Butylbenzene	ND	5.0	5		ug/L	4-Methyl-2-Pentanone	ND	50	5		ug/L
sec-Butylbenzene	ND	5.0	5		ug/L	Naphthalene	ND	50	5		ug/L
tert-Butylbenzene	ND	5.0	5		ug/L	n-Propylbenzene	ND	5.0	5		ug/L
Carbon Disulfide	ND	50	5		ug/L	Styrene	ND	5.0	5		ug/L
Carbon Tetrachloride	ND	2.5	5		ug/L	1,1,1,2-Tetrachloroethane	ND	5.0	5		ug/L
Chlorobenzene	ND	5.0	5		ug/L	1,1,2,2-Tetrachloroethane	ND	5.0	5		ug/L
Chloroethane	ND	5.0	5		ug/L	Tetrachloroethene	650	5	5		ug/L
Chloroform	ND	5.0	5		ug/L	Toluene	ND	5.0	5		ug/L
Chloromethane	ND	5.0	5		ug/L	1,2,3-Trichlorobenzene	ND	5.0	5		ug/L
2-Chlorotoluene	ND	5.0	5		ug/L	1,2,4-Trichlorobenzene	ND	5.0	5		ug/L
4-Chlorotoluene	ND	5.0	5		ug/L	1,1,1-Trichloroethane	ND	5.0	5		ug/L
Dibromochloromethane	ND	5.0	5		ug/L	1,1,2-Trichloroethane	ND	5.0	5		ug/L
1,2-Dibromo-3-Chloropropane	ND	25	5		ug/L	Trichloroethene	63	5	5		ug/L
1,2-Dibromoethane	ND	5.0	5		ug/L	Trichlorofluoromethane	ND	50	5		ug/L
Dibromomethane	ND	5.0	5		ug/L	1,2,3-Trichloropropane	ND	5.0	5		ug/L
1,2-Dichlorobenzene	ND	5.0	5		ug/L	1,2,4-Trimethylbenzene	ND	5.0	5		ug/L
1,3-Dichlorobenzene	ND	5.0	5		ug/L	1,3,5-Trimethylbenzene	ND	5.0	5		ug/L
1,4-Dichlorobenzene	ND	5.0	5		ug/L	Vinyl Acetate	ND	50	5		ug/L
Dichlorodifluoromethane	ND	5.0	5		ug/L	Vinyl Chloride	ND	2.5	5		ug/L
1,1-Dichloroethane	3.6	5.0	5	J	ug/L	p/m-Xylene	ND	5.0	5		ug/L
1,2-Dichloroethane	ND	2.5	5		ug/L	o-Xylene	ND	5.0	5		ug/L
1,1-Dichloroethene	61	5	5		ug/L	Methyl-tert-Butyl Ether	ND	5.0	5		ug/L
c-1,2-Dichloroethene	4.1	5.0	5	J	ug/L	Tert-Butyl alcohol (TBA)	ND	250	5		ug/L
t-1,2-Dichloroethene	ND	5.0	5		ug/L	Diisopropyl ether (DIPE)	ND	10	5		ug/L
1,2-Dichloropropane	ND	5.0	5		ug/L	Ethyl t-butyl ether (ETBE)	ND	10	5		ug/L
1,3-Dichloropropane	ND	5.0	5		ug/L	Tert-Amyl methyl ether	ND	10	5		ug/L
2,2-Dichloropropane	ND	5.0	5		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	86-118		Toluene-d8	103	88-110	
1,4-Bromofluorobenzene	92	86-115					



ANALYTICAL REPORT

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 03/05/01
Work Order No: 01-03-0168
Preparation: N/A
Method: EPA 8260B

Project: Mobil - Jalk Fee

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Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW-4	01-03-0168-2	03/05/01	Aqueous	N/A	03/05/01	030501AW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	7.3	10.0	1	J	ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
Bromoform	ND	1.0	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
2-Butanone	ND	10	1		ug/L	Methylene Chloride	ND	10	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Naphthalene	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Styrene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Tetrachloroethene	26	1	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	Trichloroethene	27	1	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	2.7	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	0.62	0.50	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	5.4	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
c-1,2-Dichloroethene	2.3	1.0	1		ug/L	Tert-Butyl alcohol (TBA)	ND	50	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Diisopropyl ether (DIPE)	ND	2.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Ethyl t-butyl ether (ETBE)	ND	2.0	1		ug/L
1,3-Dichloropropane	ND	1.0	1		ug/L	Tert-Amyl methyl ether	ND	2.0	1		ug/L
2,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	86-118		Toluene-d8	102	88-110	
1,4-Bromofluorobenzene	96	86-115					

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 03/05/01
Work Order No: 01-03-0168
Preparation: N/A
Method: EPA 8260B

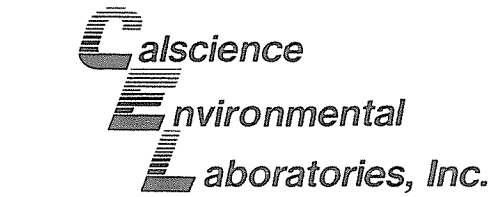
Project: Mobil - Jalk Fee

Page 3 of 4

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW-3	01-03-0168-3	03/05/01	Aqueous	N/A	03/05/01	030501AW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	5.7	10.0	1	J	ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
Bromoform	ND	1.0	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
2-Butanone	ND	10	1		ug/L	Methylene Chloride	ND	10	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Naphthalene	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Styrene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Tetrachloroethene	14	1	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	Trichloroethene	20	1	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	1.5	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	7.5	1.0	1		ug/L	Methyl-tert-Butyl Ether	7.6	1.0	1		ug/L
c-1,2-Dichloroethene	0.65	1.0	1	J	ug/L	Tert-Butyl alcohol (TBA)	ND	50	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Diisopropyl ether (DIPE)	ND	2.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Ethyl t-butyl ether (ETBE)	ND	2.0	1		ug/L
1,3-Dichloropropane	ND	1.0	1		ug/L	Tert-Amyl methyl ether	ND	2.0	1		ug/L
2,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	86-118		Toluene-d8	102	88-110	
1,4-Bromofluorobenzene	94	86-115					



ANALYTICAL REPORT

TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 03/05/01
Work Order No: 01-03-0168
Preparation: N/A
Method: EPA 8260B

Project: Mobil - Jalk Fee

Page 4 of 4

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
Method Blank	099-10-006-1,787	N/A	Aqueous	N/A	03/05/01	030501AW

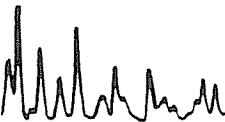
Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
Bromoform	ND	1.0	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
2-Butanone	ND	10	1		ug/L	Methylene Chloride	ND	10	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Naphthalene	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Styrene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	Tert-Butyl alcohol (TBA)	ND	50	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Diisopropyl ether (DIPE)	ND	2.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Ethyl t-butyl ether (ETBE)	ND	2.0	1		ug/L
1,3-Dichloropropane	ND	1.0	1		ug/L	Tert-Amyl methyl ether	ND	2.0	1		ug/L
2,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	86-118		Toluene-d8	102	88-110	
1,4-Bromofluorobenzene	96	86-115					

TRC-Alton Geoscience	Date Received:	03/05/01
21 Technology Drive	Work Order No:	01-03-0168
Irvine, CA 92618	Preparation:	N/A
	Method:	EPA 8260B
Project: Mobil - Jalk Fee		

Spiked Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-3	Aqueous	GC/MS S	N/A	03/05/01	0103016803

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	100	72-127	5	0-25	
Carbon Tetrachloride	123	115	70-130	6	0-25	
Chlorobenzene	99	96	72-131	3	0-25	
1,2-Dichlorobenzene	109	103	70-130	5	0-25	
1,1-Dichloroethene	110	102	69-127	6	0-25	
Toluene	112	106	75-124	6	0-25	
Trichloroethene	113	106	60-137	5	0-25	
Vinyl Chloride	124	113	70-130	9	0-25	
Methyl-tert-Butyl Ether	90	88	80-120	2	0-25	
Tert-Butyl alcohol (TBA)	82	78	60-140	4	0-25	
Diisopropyl ether (DIPE)	94	93	60-140	2	0-25	
Ethyl t-butyl ether (ETBE)	91	90	60-140	2	0-25	
Tert-Amyl methyl ether	98	96	60-140	2	0-25	



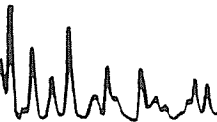
TRC-Alton Geoscience
21 Technology Drive
Irvine, CA 92618

Date Received: 03/05/01
Work Order No: 01-03-0168
Preparation: N/A
Method: EPA 8260B

Project: Mobil - Jalk Fee

LCS Sample Number	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-1,787	Aqueous	GC/MS S	N/A	03/05/01	030501AW

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	98	72-127	1	0-25	
Carbon Tetrachloride	123	118	70-130	4	0-25	
Chlorobenzene	99	96	72-131	2	0-25	
1,2-Dichlorobenzene	106	104	70-130	1	0-25	
1,1-Dichloroethene	106	100	69-127	6	0-25	
Toluene	108	106	75-124	1	0-25	
Trichloroethene	113	108	60-137	4	0-25	
Vinyl Chloride	109	104	79-118	4	0-25	
Methyl-tert-Butyl Ether	93	93	80-120	0	0-25	
Tert-Butyl alcohol (TBA)	84	79	60-140	6	0-25	
Diisopropyl ether (DIPE)	91	90	60-140	1	0-25	
Ethyl t-butyl ether (ETBE)	93	90	60-140	3	0-25	
Tert-Amyl methyl ether	100	98	60-140	2	0-25	



Work Order Number: 01-03-0168

<u>Qualifier</u>	<u>Definition</u>
ND	Not detected at indicated reporting limit.

Reply-To: <jhensel@trcsolutions.com>
From: "Jeff Hensel" <jhensel@trcsolutions.com>
To: "Mike Crisostomo" <mcrisostomo@calscience.com>
Subject: RE: Mobil Jalk Fee; CEL# 01-03-0168
Date: Mon, 5 Mar 2001 17:08:22 -0800
X-Mailer: Microsoft Outlook 8.5, Build 4.71.2173.0
Importance: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

We are no longer required to analyze for TPH-G at this site; however, we are required to run the oxygenates including MTBE along with the full scan VOC run.

Thanks, Jeff

-----Original Message-----

From: Mike Crisostomo [mailto:mcrisostomo@calscience.com]
Sent: Monday, March 05, 2001 4:54 PM
To: Jeff Hensel
Subject: Mobil Jalk Fee; CEL# 01-03-0168

Jeff,

This afternoon, three samples (MW-5, MW-4, MW-3) associated with the Mobil Jalk Fee site were received by Calscience. The test for VOCs (Standard list) only were requested for this sample set. Do you need oxygenates reported from the analyses?

Also, is TPH-Gas required?

Mike Crisostomo
Project Manager
Calscience Environmental
Laboratories, Inc.

SAMPLE RECEIPT FORM

Work Order Number:

01-03-0168

Date Received:

03/05/01

Delivery Container Type:

Cooler

Date Opened:

03/05/01

Client Project ID:

Mobil - JALK FEE

Opened By:

JP

Section A: Pass/Fail Criteria

		Comments
1. Chain of custody document(s) received with samples.	Yes	
2. Sample container label(s) consistent with custody papers.	Yes	
3. Sample container label(s) complete (ID, date, time, taken by).	Yes	
4. Sample container(s) intact and in good condition.	Yes	
5. If applicable, proper preservation noted on sample label(s).	Yes	
6. Sufficient sample volume received for analyses requested.	Yes	
7. Correct containers used for analyses requested.	Yes	
8. If applicable, VOA vials free of headspace.	Yes	

Section B: Additional Observations

1. Describe packing materials used in container.	NA
2. Was sample container(s) sealed with custody seals?	No
3. Were all samples sealed in separate plastic bags?	No
4. Measured temperature inside delivery container when opened.	3.0 °C
5. If delivery container shipped by third-party carrier, did container come with shipping slip, airbill, etc.?	No
If YES, attach copy of shipping slip/airbill to the back of this form.	
6. Do tedlar bags show condensation? Describe below if yes.	NA
7. Are 25.1 condensate traps immersed in dry ice?	NA
8. Are 25.1 sampling trains intact?	NA
9. Are 25.3 condensate vials still attached to the sampling train?	NA
10. Are 25.3 condensate vials on wet ice?	NA

Section C: Additional Comments

**CALSCIENCE ENVIRONMENTAL
LABORATORIES, INC.**

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

Bill To TRC-AVO-2
WRS# 56

CHAIN OF CUSTODY RECORD

Date 3-5-01
Page 1 of 1

[illegible]

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.
Please note that pages 1 and 2 of our T/Cs are printed on the reverse side of the Yellow and Pink copies respectively.

Receipt of Manifest
is Pending

(April 12, 2001)